AMENDMENTS TO THE CLAIMS

Claims 1-46 were filed originally.

Claims 1-12 and 17-44 are canceled.

No claims are amended.

Accordingly, claims 13-16 and 45-46 remain pending.

1.   (Canceled)

2.   (Canceled)

3.   (Canceled)

4.   (Canceled)

5.   (Canceled)

6.   (Canceled)

7.   (Canceled)

8.   (Canceled)

9.   (Canceled)

10.   (Canceled)

11.   (Canceled)

12.   (Canceled)

13.   (Original) A method for encoding Internet Protocol (IP) data into a format for transmission over a satellite system, comprising the following steps:

receiving an IP packet having an N-byte IP data block, an A-byte transport protocol header, and a B-byte IP header;

constructing a variable-length multi-packet transport (MPT) frame having an M-byte data payload and a C-byte header;

inserting the entire (N+A+B)-byte IP packet into the M-byte data payload of the MPT frame; and

constructing from the (M+C)-byte MPT frame one or more fixed-size multi-byte MPT packets, each MPT packet having at least one header to designate what portion of the MTP frame is contained in the MPT packet.

14.   (Original) A method as recited in claim 13, further comprising the step of calculating error correction information for the one or more MPT packets.

15.   (Original) A method as recited in claim 14, further comprising the step of attaching the error correction information as a multi-byte trailer to one of the MPT packets.

LEE & HAYES, PLLC
RESPONSE TO OFFICE ACTION DATED NOVEMBER 16, 2004

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ATTORNEY DOCKET NO. MS1-108USC1
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PAGE 6/12 * RCVD AT 12/21/2004 5:15:26 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/6 * DNIS:8729306 * CSID:509 323 8979 * DURATION (mm-ss):02-52

16.   (Original) A method as recited in claim 13, further comprising the step of transmitting the MPT packets.

17.   (Canceled)

18.   (Canceled)

19.   (Canceled)

20.   (Canceled)

21.   (Canceled)

22.   (Canceled)

23.   (Canceled)

24.   (Canceled)

25.   (Canceled)

26.   (Canceled)

27.   (Canceled)

28.   (Canceled)

29.   (Canceled)

30.   (Canceled)

31.   (Canceled)

32.   (Canceled)

33.   (Canceled)

34.   (Canceled)

35.   (Canceled)

36.   (Canceled)

37.   (Canceled)

38.   (Canceled)

39.   (Canceled)

40.   (Canceled)

41.   **(Canceled)**

42.   **(Canceled)**

43.   **(Canceled)**

44.   **(Canceled)**

45.   **(Original)** A computer-readable memory having a packet structure that can be encoded into a satellite data packet for transmission over a satellite network, the packet structure comprising:

a data block containing at least a portion of a computer network data packet;

a header positioned before the data block, the header designating whether the portion of the network data packet contained in the associated data block is a starting portion of the network data packet, an ending portion of the network data packet, or a middle portion of the network data packet;

in an event that the data block contains the starting portion of the network data packet, an address header positioned before the data block; and

in an event that the data block contains the ending portion of the network data packet, an error correction trailer containing error correction data positioned after the data block.

46. (Original) A computer-readable memory as recited in claim 45, wherein the portion header is one byte, the address header is six bytes, and the error correction trailer is four bytes.